ELSEVIER

Comput. Methods Appl. Mech. Engrg. 149 (1997) 363–364

Computer methods in applied mechanics and engineering

Author Index of Volume 149

Almeida, R.C. see Silva, R.S. 353–362
Arbogast, T. and Yotov, I. A non-mortar mixed finite element method for elliptic problems on non-matching multiblock grids 255–265

Belsky, V. see Fish, J. 267–287
Bennighof, J.K. and Subramaniam, M. Reduction of finite element subspace dimension based on estimated error 21– 32

Cheng, J. see Wu, S.R. 189–199
Cho, J.Y. see Kim, S.J. 73– 88
Cho, J.-R. and Tinsley Oden, J. Locking and boundary layer in hierarchical models for thin elastic structures 33– 48
Correia, V.M.F. see Soares, C.M.M. 133–152
Coutinho, A. see Silva, R.S. 353–362

Deml, M. and Wunderlich, W. Direct evaluation of the 'worst' imperfection shape in shell buckling 201–222
Dey, S. see Turner, W.D. 339–351
Dutto, L.C., Habashi, W.G. and Fortin, M. An algebraic multilevel parallelizable preconditioner for large-scale CFD problems 303–318

Felippa, C.A. and Park, K.C. A Direct Flexibility Method 319–337
Fish, J., Suvorov, A. and Belsky, V. Automated adaptive multilevel solver 267–287
Flaherty, J.E. see Turner, W.D. 339–351
Fortin, M. see Dutto, L.C. 303–318

Galeão, A.C.N. see Silva, R.S. 353–362
Geng, P., Oden, J.T. and Van de Geijn, R.A. A parallel multifrontal algorithm and its implementation 289–301

Habashi, W.G. see Dutto, L.C. 303–318

Ibrahimbegovic, A. On the choice of finite rotation parameters 49– 71

Kim, S.J., Cho, J.Y. and Kim, W.D. From the trapezoidal rule to higher-order accurate and unconditionally stable time-integration method for structural dynamics 73– 88
Kim, W.D. see Kim, S.J. 73– 88
Kushner, A.S. Bifurcation buckling eigenvector characteristics for structures exhibiting buckling mode interactions 89– 99

Küssner, M. see Reddy, B.D. 101–112

Oden, J.T. see Geng, P. 289–301
Oden, J.T. see Cho, J.-R. 33– 48

Park, K.C. see Felippa, C.A. 319–337

Reddy, B.D. and Küssner, M. The four-noded quadrilateral with a 2×1 integration rule: Application to plates and other problems 101–112
Reddy, J.N. On locking-free shear deformable beam finite elements 113–132

Shephard, M.S. see Turner, W.D. 339–351
Silva, R.S., Almeida, R.C., Galeão, A.C.N. and Coutinho, A. Iterative local solvers for distributed Krylov–Schwarz method applied to convection–diffusion problems 353–362
Soares, C.A.M. see Soares, C.M.M. 133–152
Soares, C.M.M., Soares, C.A.M. and Correia, V.M.F. Optimization of multilaminated structures using higher-order deformation models 133–152
Subramaniam, M. see Bennighof, J.K. 21– 32
Suvorov, A. see Fish, J. 267–287

Tamma, K.K., Zhou, X. and Valasutean, R. Computational algorithms for transient analysis: the burden of weight and consequences towards formalizing discrete numerically assigned [DNA] algorithmic markers: $\mathbf{W}_p$-family 153–188
Taylor, R.L. see Zienkiewicz, O.C. 223–254
Tinsley Oden, J. see Cho, J.-R. 33– 48
Turner, W.D., Flaherty, J.E., Dey, S. and Shephard, M.S. Multilevel preconditioned QMR methods for unstructured mesh computation 339–351

Valasutean, R. see Tamma, K.K. 153–188
van de Geijn, R.A. see Geng, P. 289–301

Wu, S.R. and Cheng, J. Advanced development of explicit FEA in automotive applications 189–199
Wunderlich, W. see Deml, M. 201–222

Yotov, I. see Arbogast, T. 255–265

Zhou, X. see Tamma, K.K. 153–188
Zienkiewicz, O.C. and Taylor, R.L. The finite element patch test revisited. A computer test for convergence, validation and error estimates 223–254

ELSEVIER

Comput. Methods Appl. Mech. Engrg. 149 (1997) 365–367

Computer methods in applied mechanics and engineering

Subject Index of Volume 149

Elasticity

Locking and boundary layer in hierarchical models for thin elastic structures, J.-R. Cho and J. Tinsley Oden 33– 48

Bifurcation buckling eigenvector characteristics for structures exhibiting buckling mode interactions, A.S. Kushner 89– 99

Finite element and matrix methods

Reduction of finite element subspace dimension based on estimated error, J.K. Bennighof and M. Subramaniam 21– 32

Locking and boundary layer in hierarchical models for thin elastic structures, J.-R. Cho and J. Tinsley Oden 33– 48

On the choice of finite rotation parameters, A. Ibrahimbegovic 49– 71

From the trapezoidal rule to higher-order accurate and unconditionally stable time-integration method for structural dynamics, S.J. Kim, J.Y. Cho and W.D. Kim 73– 88

The four-noded quadrilateral with a 2×1 integration rule: Application to plates and other problems, B.D. Reddy and M. Küssner 101–112

On locking-free shear deformable beam finite elements, J.N. Reddy 113–132

Optimization of multilaminated structures using higher-order deformation models, C.M.M. Soares, C.A.M. Soares and V.M.F. Correia 133–152

Computational algorithms for transient analysis: the burden of weight and consequences towards formalizing discrete numerically assigned [DNA] algorithmic markers: $\boldsymbol{W}_p$-family, K.K. Tamma, X. Zhou and R. Valasutean 153–188

Advanced development of explicit FEA in automotive applications, S.R. Wu and J. Cheng 189–199

The finite element patch test revisited. A computer test for convergence, validation and error estimates, O.C. Zienkiewicz and R.L. Taylor 223–254

A non-mortar mixed finite element method for elliptic problems on non-matching multiblock grids, T. Arbogast and I. Yotov 255–265

Automated adaptive multilevel solver, J. Fish, A. Suvorov and V. Belsky 267–287

A parallel multifrontal algorithm and its implementation, P. Geng, J.T. Oden and R.A. van de Geijn 289–301

An algebraic multilevel parallelizable preconditioner for large-scale CFD problems, L.C. Dutto, W.G. Habashi and M. Fortin 303–318

A Direct Flexibility Method, C.A. Felippa and K.C. Park 319–337

Multilevel preconditioned QMR methods for unstructured mesh computation, W.D. Turner, J.E. Flaherty, S. Dey and M.S. Shephard 339–351

Fluid mechanics

An algebraic multilevel parallelizable preconditioner for large-scale CFD problems, L.C. Dutto, W.G. Habashi and M. Fortin 303–318

Iterative local solvers for distributed Krylov–Schwarz method applied to convection–diffusion problems, R.S. Silva, R.C. Almeida, A.C.N. Galeão and A. Coutinho 353–362

Incompressible and near incompressible media
On the choice of finite rotation parameters, A. Ibrahimbegovic 49– 71

Numerical solution procedures
Advanced development of explicit FEA in automotive applications, S.R. Wu and J. Cheng 189–199

Shells and plates
Locking and boundary layer in hierarchical models for thin elastic structures, J.-R. Cho and J. Tinsley Oden 33– 48
On the choice of finite rotation parameters, A. Ibrahimbegovic 49– 71
The four-noded quadrilateral with a 2×1 integration rule: Application to plates and other problems, B.D. Reddy and M. Küssner 101–112
On locking-free shear deformable beam finite elements, J.N. Reddy 113–132
Optimization of multilaminated structures using higher-order deformation models, C.M.M. Soares, C.A.M. Soares and V.M.F. Correia 133–152

Solutions of ordinary and partial differential equations
Computational algorithms for transient analysis: the burden of weight and consequences towards formalizing discrete numerically assigned [DNA] algorithmic markers: W_p-family, K.K. Tamma, X. Zhou and R. Valasutean 153–188
The finite element patch test revisited. A computer test for convergence, validation and error estimates, O.C. Zienkiewicz and R.L. Taylor 223–254
A non-mortar mixed finite element method for elliptic problems on non-matching multiblock grids, T. Arbogast and I. Yotov 255–265

Stability in structural mechanics
Bifurcation buckling eigenvector characteristics for structures exhibiting buckling mode interactions, A.S. Kushner 89– 99
Direct evaluation of the 'worst' imperfection shape in shell buckling, M. Deml and W. Wunderlich 201–222

Structural mechanics
Reduction of finite element subspace dimension based on estimated error, J.K. Bennighof and M. Subramaniam 21– 32
From the trapezoidal rule to higher-order accurate and unconditionally stable time-integration method for structural dynamics, S.J. Kim, J.Y. Cho and W.D. Kim 73– 88
The four-noded quadrilateral with a 2×1 integration rule: Application to plates and other problems, B.D. Reddy and M. Küssner 101–112
On locking-free shear deformable beam finite elements, J.N. Reddy 113–132
Computational algorithms for transient analysis: the burden of weight and consequences towards formalizing discrete numerically assigned [DNA] algorithmic markers: W_p-family, K.K. Tamma, X. Zhou and R. Valasutean 153–188
Advanced development of explicit FEA in automotive applications, S.R. Wu and J. Cheng 189–199
Direct evaluation of the 'worst' imperfection shape in shell buckling, M. Deml and W. Wunderlich 201–222
Automated adaptive multilevel solver, J. Fish, A. Suvorov and V. Belsky 267–287
A Direct Flexibility Method, C.A. Felippa and K.C. Park 319–337

Systems of linear and nonlinear simultaneous equations
Automated adaptive multilevel solver, J. Fish, A. Suvorov and V. Belsky 267–287
A parallel multifrontal algorithm and its implementation, P. Geng, J.T. Oden and R.A. van de Geijn 289–301
An algebraic multilevel parallelizable preconditioner for large-scale CFD problems, L.C. Dutto, W.G. Habashi and M. Fortin 303–318
A Direct Flexibility Method, C.A. Felippa and K.C. Park 319–337
Multilevel preconditioned QMR methods for unstructured mesh computation, W.D. Turner, J.E. Flaherty, S. Dey and M.S. Shephard 339–351
Iterative local solvers for distributed Krylov–Schwarz method applied to convection–diffusion problems, R.S. Silva, R.C. Almeida, A.C.N. Galeão and A. Coutinho 353–362